

**Amendments to the Specification**

Please amend the specification, as follows:

Page 1, lines 1-2, replace the title paragraph with the following amended paragraph:

TYRE, WHEEL, METHOD AND SYSTEM FOR MONITORING [[A]] THE TYRE,  
DURING THE RUNNING OF AND METHOD FOR CONTROLLING A VEHICLE

Page 1, line 3, add the following new paragraph after the new title “TYRE, WHEEL, METHOD AND SYSTEM FOR MONITORING THE TYRE, AND METHOD FOR CONTROLLING A VEHICLE” and prior to the start of the paragraph beginning “The present invention relates to a method . . .”

**CROSS-REFERENCE TO RELATED APPLICATIONS**

Page 1, line 3, add the following new paragraph after the heading “CROSS-REFERENCE TO RELATED APPLICATIONS” added above and prior to the start of the paragraph beginning “The present invention relates to a method . . .”

This application is a national-phase entry under 35 U.S.C. § 371 from International Application No. PCT/EP03/03088, filed March 25, 2003, in the European Patent Office, the content of which is relied upon and incorporated herein by reference; additionally, Applicants

claim the right of priority under 35 U.S.C. § 119(a) - (d) based on International Application No. PCT/EP02/03498, filed March 28, 2002, in the European Patent Office.

Page 1, line 3, add the following new paragraph in the form of a section heading after the claims to the right of priority and benefit added above and prior to the start of the paragraph beginning “The present invention relates to a method . . .”

#### BACKGROUND OF THE INVENTION

Page 1, line 3, add the following new paragraph in the form of a section subheading after the heading “BACKGROUND OF THE INVENTION” added above and prior to the start of the paragraph beginning “The present invention relates to a method . . .”

#### Field of the Invention

Page 1, line 7, add the following new paragraph in the form of a section subheading prior to the start of the paragraph beginning “Tyre monitoring systems using accelerometers . . .”

#### Description of the Related Art

Page 2, line 16, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “The Applicant has faced the problem . . .”

## SUMMARY OF THE INVENTION

Page 7, line 12, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “Characteristics and advantages . . . ”

## BRIEF DESCRIPTION OF THE DRAWINGS

Page 7, line 30, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “Figure 1 shows an exemplary tyre 1 . . . ”

## DETAILED DESCRIPTION OF THE EXEMPLARY EMBODIMENTS

Add a new page 22 after the claims, adding the following ABSTRACT OF THE DISCLOSURE. A new, separate page 22 including the ABSTRACT OF THE DISCLOSURE is enclosed.

## ABSTRACT OF THE DISCLOSURE

A method for monitoring a tyre during running includes acquiring and storing, at least temporarily, a first curve representing an acceleration profile of a first point of a tread area of the tyre; acquiring and storing, at least temporarily, at least one second curve representing an acceleration profile of a second point of the tread area; and comparing the first curve and the at least one second curve, or parameters derived from the first curve and the at least one second

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curve, so as to determine a dynamic behavior of the tyre. The first and second points are located substantially on a same meridian plane of the tyre. A related tyre, wheel for a vehicle, system for monitoring a tyre during running, and method for controlling a vehicle are also disclosed.